

Title (en)

Flexible silicone coatings for plastic substrates and methods for making thermoformable, abrasion-resistant thermoplastic articles.

Title (de)

Flexible Siloxanbeschichtung für Kunststoffoberflächen und Verfahren zur Herstellung von hitzeformbaren, gegen Abrasion resistenten thermoplastischen Gegenständen.

Title (fr)

Revêtement flexible à base de silicones pour substrats en matière plastique, procédé pour la préparation d'objets thermoplastiques et résistant à l'abrasion par moulage à la chaleur.

Publication

**EP 0339257 A2 19891102 (EN)**

Application

**EP 89105025 A 19890321**

Priority

US 18559488 A 19880425

Abstract (en)

An improved silica-containing curable coating composition is described herein. The composition has an alkaline pH and contains a dialkyldialkoxysilane/alkyltrialkoxysilane mixture and a dispersion of ammonium-stabilized colloidal silica having an average particle size no greater than about 5-10 millimicrons. Methods for preparing such compositions are also disclosed, as are thermoplastic articles which include the cured protective coatings.

IPC 1-7

**C09D 3/82**; **C09D 201/10**

IPC 8 full level

**B05D 7/02** (2006.01); **B05D 7/24** (2006.01); **B29C 51/14** (2006.01); **B32B 9/00** (2006.01); **B32B 27/36** (2006.01); **C08F 2/46** (2006.01); **C08J 7/04** (2006.01); **C08J 7/043** (2020.01); **C08J 7/046** (2020.01); **C08K 3/36** (2006.01); **C09D 4/00** (2006.01); **C09D 183/04** (2006.01)

CPC (source: EP US)

**C08J 7/0423** (2020.01 - EP US); **C08J 7/043** (2020.01 - EP US); **C08J 7/046** (2020.01 - EP US); **C09D 4/00** (2013.01 - EP US); **C09D 183/04** (2013.01 - EP US); **C08J 2369/00** (2013.01 - EP US); **C08J 2483/02** (2013.01 - EP US)

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Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

**EP 0339257 A2 19891102**; **EP 0339257 A3 19910116**; AU 3334089 A 19891026; JP H02150430 A 19900608; JP H0555538 B2 19930817; US 4914143 A 19900403

DOCDB simple family (application)

**EP 89105025 A 19890321**; AU 3334089 A 19890424; JP 10186389 A 19890424; US 18559488 A 19880425